

## **Sample MMS Gulf of Mexico Models**

Attached is an abridged, working example of the MMS Outer Continental Shelf (OCS) Economic Impact Models (EIM) for the Gulf of Mexico (GOM). This model is to be used solely to help potential bidders understand how our GOM models work. The E&D scenario is fabricated, and the IMPLAN multipliers are from old data (but are nonetheless covered by copyright protection and are not to be used for other purposes).

The model is in MS Access 2002 (Office XP) format. If you need to open the file in Access 2000 or in Access 97, we will convert the database upon request. However, the new models will be in Access 2002 (or a newer) format.

A full model usually would contain 8-12 (MS Access) queries and a model producing annualized estimates would cover activities over a period of 25-50 years.

The Alaska models are much more complex. The first-step models, estimating the first round of expenditures, are in MS Excel. Two other files, one in Excel and one in Access, are necessary to estimate the employment, personal income, etc. The first-step models are available upon request. The full set of files can be developed and put on a CD upon request. (The inter-file linkages make it difficult to send a full working model via e-mail.)

### **Brief Instructions**

1. Open the model in Access.
2. Go to the Query view and select one of the appropriate queries (qrymtLA1-SAM-Alt1base-annual or qrymtLA2-SAM-Alt1base-annual). The name indicates that this is a “make-table” query providing annual results for onshore area LA-1/LA-2, using the base case E&D scenario for EIS alternative 1 and the Social Accounting Matrix multipliers.
3. Right-click on the query, and select Design View. This shows you the components of the model: E&D scenario, cost function, and multipliers. Left-click on the red exclamation mark in the command bar to run the query. (This is unnecessary, because the model already has been run, and the resulting table has the same basic name as the query.)
4. When preparing results for analyses, we export the results to Excel files.